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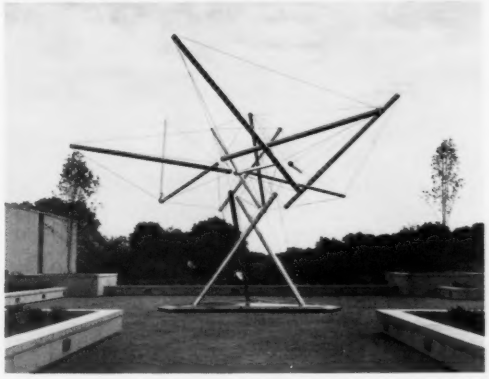
Sculpture Dedicated at NLM

On October 2, a new sculpture titled "Tree I," by artist **Kenneth Snelson**, was dedicated at the National Library of Medicine (*News*, June-July 1981). The impressive stainless-steel structure was commissioned under the art-in-architecture program of the U.S. General Services Administration (GSA).

The distinguished group of participants in a windy ribbon-cutting ceremony included (from left): GSA Administrator Gerald P. Carmen; Abram Lerner, Director of the Hirshhorn Museum and Sculpture Garden; NLM Director Martin M. Cummings, M.D.; artist Kenneth Snelson; Livingston Biddle, Chairman of the National Endowment for the Arts; and Lionel M. Bernstein, M.D., Ph.D., Director of NLM's Lister Hill National Center for Biomedical Communications.

Several speakers at the dedication commented on the symbolic nature of the new sculpture in showing the interrelatedness of science and art—a relationship central to Kenneth Snelson's work. Snelson is interested in atomic theory, and his structures exemplify his concern with the underlying structure of the universe and the principle of connectedness.



"Tree I," a construction of stainless steel tubes and steel cables 20 feet high with a 32-foot expansion, like other examples of Snelson's work, appears to float unsupported. The sculpture stands on the plaza between the Library and its new Lister Hill Center.

Snelson, whose works have been exhibited in museums throughout the U.S. and abroad, attended the ceremony, along with such honored guests as **Gerald P. Carmen**, GSA Administrator; **Livingston Biddle**, Chairman, National Endowment for the Arts; **Abram Lerner**, Director of the Hirschhorn Museum and Sculpture Garden; and **J. Roy Carroll, Jr.**, architect of the new Lister Hill Center.

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NEWS

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NLM in the Literature

The following citations were retrieved from the October-November MEDLINE files. They point to recent articles in which the National Library of Medicine (or its products and services) is discussed.

Brieger GH: Fielding H. Garrison: the man and his book. Trans Stud Coll Physicians Phila 1981 Mar;3(1):1-21

Locatis C and **Weisberg M:** Strategies contributing to effectiveness of health science faculty training. J Biocommun 1981 Mar; 8(1):4-9

Urata K: [Systematic literature search method in nursing research] Kango Kenkyu 1981 Spring;14(2):94-103

Webb WM: There's a doctor in the library. The story of John Shaw Billings, M.D. (1839-1913). J Indiana State Med Assoc 1981 Jun; 74(6):360-6

Yamazoe M: [Instructions on the use of literature in modern nursing education.] Kango Tenbo 1981 Apr;6(4):376-81 (Jpn)

New Literature Searches

Nine new titles in the 1981 series of NLM Literature Searches may now be requested from the Library's Reference Section. Literature Searches are printed bibliographies produced through MEDLINE on subjects of current interest. They are available without charge. (A complete list of titles appears in each issue of *Index Medicus* and *Abridged Index Medicus*.) When requesting Literature Searches, please include title and number, enclose a self-addressed gummed label, and mail to:

Literature Search Program
Reference Section
National Library of Medicine
Bethesda, Maryland 20209

LS 81-9 *Traveler's diarrhea.* January 1975 through August 1981. 157 citations.

LS 81-10 *The impaired physician, including occupational risks.* January 1977 through June 1981. 175 citations.

LS 81-11 *Adverse effects of cosmetics.* January 1977 through August 1981. 284 citations.

LS 81-12 *Psychology of aging and the elderly.* January 1979 through September 1981. 475 citations in English.

LS 81-13 *Psychiatry and the elderly.* January 1979 through August 1981. 477 citations.

LS 81-14 *Nutrition and the elderly.* January 1977 through August 1981. 302 citations.

LS 81-15 *Phototherapy for neonatal jaundice.* January 1977 through September 1981. 146 citations.

LS 81-16 *Male reproductive toxicology.* January 1977 through August 1981. 230 citations.

LS 81-17 *Rotavirus infections in infants and children.* January 1977 through August 1981. 248 citations.

Publication Notes

Index Medicus: The Superintendent of Documents (Government Printing Office, Washington, DC 20402) has announced a $10 increase in the domestic subscription rate for *Index Medicus*. The price beginning in 1982 is $160 ($200 foreign). The single-copy price remains unchanged at $13 ($16.25 foreign). Also beginning in 1982, issues will have sewn rather than glued bindings to increase durability.

Bibliography of Medical Reviews, 1976-1980: As announced in the August 1981 *News*, copies of this casebound cumulation are available from the Superintendent of Documents for $30 ($37.50 foreign). The order number is S/N 017-052-00223-6.

Lister Hill Center Acquires New Computer

The Medical Computer Science Research Group of the Lister Hill Center's Health Professions Applications Branch recently accepted delivery of its new research computer. The computer is a Digital Equipment Corporation (DEC) System-20 with a KL processor, 1.25 million words of memory, five 176 megabyte disk drives, two tape drives, a line printer, and network interfaces.

DEC System-20's are used by most major research and development projects in knowledge-based systems, medical computer science, and artificial intelligence and computational linguistics in medicine. With this system, NLM will have for the first time the hardware and software to support research in the development of medical knowledge bases and to collaborate with other leading scientific and high level academic institutions in this effort. When fully operational this computer system will provide the following capabilities:

- Computer messaging (electronic mail) locally and over networks to support communication among expert panelists and members of the NLM staff.
- A data base management system to support research in the development of knowledge-based systems.
- Programming languages such as INTERLISP-10, PASCAL, and SAIL suitable for research and development in medical computer science.
- Full screen text editors
- Document preparation systems
- Interface to the ARPA, Telenet, and Tymnet computer networks.

The new DEC System-20 greatly extends NLM's computer capability in research and development.

Serial Gap List

NLM regularly solicits the help of the medical library community in filling gaps in its serial collections. If you can provide any of these items we would be most grateful. Please address them to:

National Library of Medicine
TSD-GAPS
Bethesda, MD 20209

Dental Abstracts 21: 1, 12, 1976

Family Therapy 2: 1, 1975

Human Biology 36: 4, 1964

Illinois Dental Journal 44: 1, 1975; 46: 6, 12, 1977; 48: 1, 2, 4, 1979

International Journal of the Addictions 1: 1-4, 1966

Journal of Hospital Research 8: 1, 1971

Journal of Practical Nursing 14: 7-8, 1965

Medical Aspects of Human Sexuality 7: 5, 7, 1973; 8: 6, 12, 1974

Nebraska Medical Journal 60: 10, 1975; 63: 1, 2, 11, 1978; 6 4: 1, 2, 1979

Nutrition Reports International 12: 5, 1975; 22: 7-12, 1980

Seminars in Hematology 9: 2, 1972

Seminars in Roentgenology 2: 1, 2, 4, 1967

Sight-saving Review 37: 1-4, 1967; 43: 1-4, 1973

Social Biology 17: 1, 4, 1970

Therapeutic Recreation Journal 4: 1, 3, 1970; 11: 1, 1977; 13: 2, 1979

Ten Years of MEDLINE

This month marks the tenth year of operation of NLM's MEDLINE (MEDLARS onLINE) system. After a 16-month experiment with the prototype system, AIM-TWX, MEDLINE was made available to the biomedical community in October 1971. It was the first nationally available, local-call, online retrieval system. The initial user group of 25 institutions had grown to 92 by the end of the first year, and as of September 1981, there are over 1,500 U.S. users. Non-U.S. MEDLARS centers include Australia, the Pan American Health Organization, Canada, Colombia, France, West Germany, Italy, Japan, Mexico, Sweden, South Africa, Switzerland, and the United Kingdom.

In addition to MEDLINE, more than 20 other databases have been added to MEDLARS during these last 10 years. These databases include files providing MEDLINE coverage back through 1966 as well as specialized files in chemistry, toxicology, bioethics, cancer, history of medicine, population, biomedical audiovisuals, and health planning and administration. The NLM catalog, name authority file, Medical Subject Headings (MeSH) vocabulary file, and serials collection are also available to online users.

The original MEDLINE file contained citations to more than 130,000 articles in the medical literature. Today, MEDLINE and its older backfiles contain over 3.5 million citations from 1966 to the present. The other specialized files contain nearly another 3 million citations and records. Last year over two million searches were performed on the MEDLARS system.

During the past ten years, online systems have become an integral part of libraries, information centers, and laboratories. NLM is proud to have played a role in the early use and development of these systems.

The Library's History of Medicine Division has recently acquired this original drawing by Thomas Rowlandson (1756-1827) for its Prints and Photographs Collection. The sketch shows a physician searching for his fee in the pockets of a dying patient. The caricature is from the collection of the late Eugen Holländer, well known for his scholarly studies on the relation of medicine to art.

Distinguished New York uropathologist and artist Meyer M. Melicow recently presented the Library with his acrylic painting "The Nephron Orchard: A Conceptual Creation." Dr. Melicow, Given Professor Emeritus of Urology at Columbia University's College of Physicians and Surgeons, has received many honors both in medicine and art. His paintings have been reproduced on the covers of numerous publications, including JAMA. Forty of his works were shown at NLM six years ago in an exhibit titled "The Physician as Artist."

NLM Welcomes 1981/82 Library Associates

The Library began its 16th year of the NLM Associate Program with five new participants who recently received their master degrees in library science and are now engaged in a one-year postgraduate program at NLM.

Designed to prepare outstanding library school graduates for leadership roles in library and information science, the Associate Program provides a foundation in biomedical librarianship through a unique experience at NLM. While in the Program, the Associates will gain knowledge and skills in the technologies which are shaping the future of librarianship and information science, and will explore NLM's research and development activities in biomedical information transfer.

The new Associates, shown in the NLM computer room, are Katherine Branch, Susan Hawk, Kevin Beverly, Karen Kameen, and John Ulmschneider.

Profiles of the 1981/82 Associates follow.

- **Katherine A. Branch** (B.S., Arizona State University, M.L.S., University of Arizona). Before coming to NLM, Ms. Branch was a science reference librarian at San Diego State University. While attending library school at the University of Arizona, she worked as an administrative assistant in the library instruction program and as a reference intern in the Science-Engineering Library. At NLM Ms. Branch is primarily interested in the development and use of new technologies in library operations.

- **Susan A. Hawk** (B.S., Millersville State College, Ed.M., Harvard University, M.L.S., Simmons College). Ms. Hawk's six years of work experience prior to completing library school include media librarianship at Sargent College of Allied Health Professions and Boston University, and an internship at Mt. Auburn Hospital in Cambridge. She plans to explore work in online storage and retrieval and audiovisual educational programs at NLM.

- **Kevin H. Beverly** (B.A., M.L.S., University of Maryland). Before joining the Associate Program, Mr. Beverly worked for the World Health Organization in a cooperative program which provides information services to developing countries in the Third World. Mr. Beverly is interested in international biomedical information programs and in the application of automation and other technologies to health-science information systems.

- **Karen Kameen** (B.A., M.L.S., University of Pittsburgh). Ms. Kameen's first appointment in the library field was as clinical medical librarian with two psychiatric consultation/liaison teams at the University Health Center of Pittsburgh. Before her arrival at NLM, she was audiovisual librarian at the Western Psychiatric Institute and Clinic. Ms. Kameen has also taken master's-level courses in the Information Science Program at the University of Pittsburgh. Her interests include exploration of the interface between technology developments and biomedical libraries, use of audiovisuals in the health sciences, and networking within the biomedical community.

- **John E. Ulmschneider** (B.A., University of Virginia, M.L.S., University of North Carolina). Mr. Ulmschneider comes to NLM from the University of North Carolina where he was a programmer in the Department of Biostatistics. During library school he held two library internships, one in the Catalog Department of the University Library and the other at the Environmental Protection Agency Library at Research Triangle Park. Mr. Ulmschneider plans to concentrate on automated information retrieval and database design, especially as applied to patron-used systems.

Region V Librarians Featured in Newspaper Article

Our thanks to Faith Van Toll, Associate RML Director for Region V, who sent us the article, "Computers come to the aid of doctors," which appeared on page one of The Detroit News *(October 5, 1981). The story featured the work in Detroit of* **Laura Garb** *and* **Barbara Finn** *at the Sinai Hospital Medical Library,* **Caryl Scheuer** *of Hutzel Hospital Medical Library,* **Ruth Taylor** *of the Shiffman Medical Library at Wayne State University, and* **Michele Klein** *of the Children's Hospital of Michigan. Copies of the entire article may be obtained by sending a self-addressed label to: Office of Inquiries, National Library of Medicine, Bethesda, MD 20209.*

The story, by **Sandra Rubin Tessler** for *The Detroit News*, began with an account of a medical emergency:

> A child is rushed into the emergency room at Sinai Hospital in Detroit. He has been bitten by a poisonous snake and the antidote is ready.
>
> The doctors hesitate. The little patient suffers from a blood disorder and they worry about the antidote's effect. Not one staff physician at this large hospital has seen a similar case.
>
> Do they take a chance on the antivenin?
>
> No. Two doctors rush down a hallway to the library. There Laura Garb, a medical reference librarian is asked for information the trained minds of the hospital doctors cannot provide.

A MEDLINE search was performed which turned up two pertinent citations. These articles, which indicated an alternative treatment, were quickly retrieved and the child's life was saved.

The article quotes kidney disease specialist Dr. **Stephen Midgal**: "There is such an explosion of medical technology and there are so many new drugs that it is impossible for a physician to know all of the circumstances and results."

It is in this arena that trained medical librarians working with computers are increasingly doing sophisticated detective work. "You have to be Sherlock Holmes," said **Caryl Scheuer.**

The story continues with information on the widespread use of MEDLARS services and the importance of the national interlibrary loan network. It concludes with a description of LATCH ("literature attached to charts"), which is becoming a routine library service in a number of hospitals.

"We get the patient's age, case number and sex. We do a MEDLINE search, then a manual search, going through suggested journals," explained **Michele Klein**, director of library services at Children's Hospital of Michigan. "We photocopy what applies and get it on the chart—usually within two hours. We're putting information where it's needed most, right there with the patient."

Personnel Notes

Peri Schuyler, a member of the Library's Index Section since 1972, has been named Deputy Chief of the Bibliographic Services Division. Ms. Schuyler was formerly a supervisor heading one of two indexing units within the section. She has been in charge of developing an online indexing system in connection with the MEDLARS III project. Ms. Schuyler received her B.S. in chemistry from the University of Delaware and an M.L.S. from the University of Maryland.

The Head of the Library's Reference Section since 1979, **Phyllis Mirsky**, has returned to California to become Assistant University Librarian for Science Libraries at the University of California, San Diego, in La Jolla. Also leaving NLM: **Thomas Reed**, Chief of the Office of Personnel and Management Analysis, has accepted a position with NIH's Clinical Center as director of Management Support Services.

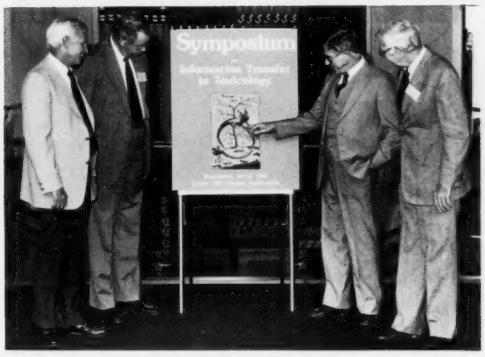
Other staff changes are listed below.

Gains

- Sherry Anderson, Secretary, Office of the Director
- Marilyn Apolito, Personnel Assistant, Office of Administration
- Elizabeth Leith, Secretary, Office of the Director

Losses

- Thomas Held, Educational Specialist, National Medical Audiovisual Center
- Donald Hummel, Biological Science Administrator, Specialized Information Services
- Terri Messick, Personnel Assistant, Office of Administration
- Violet Mills, Budget Specialist, Office of Administration
- Jeanne Strasser, Secretary, National Medical Audiovisual Center



Three participants in Seminar 5, "Legislative Needs and Uses of Toxicological Information," join Symposium Chairman George J. Cosmides, Ph.D. From left: Andrew G. Knox, State Senator from Delaware; Thomas J. Anderson, State Representative from the Michigan House of Representatives; Dr. Cosmides; and Gilbert Gude, Director of the Congressional Research Service, Library of Congress, formerly U.S. Congressman from Maryland.

Symposium on Information Transfer in Toxicology

The Library's Toxicology Information Program, part of the Specialized Information Services Division, had responsibility for organizing a Symposium on Information Transfer in Toxicology which took place in the Lister Hill Center Auditorium on September 16-17 (*News*, June-July 1981). The Symposium was an interagency project sponsored by the Department of Health and Human Services Committee to Coordinate Environmental and Related Programs and the Interagency Toxic Substances Data Committee.

Twenty-five speakers and panelists, along with 192 participants, examined the state-of-the-art, as well as the technical, legislative, economic, and international aspects of the information transfer process in toxicology. There were 217 registrants representing 22 states, the District of Columbia, and Canada.

Proceedings of the Symposium are planned for publication by spring of 1982.

NIH Extramural Associates Visit Library

Kent Smith, Deputy Director of the National Library of Medicine, recently welcomed six NIH Extramural Associates for an orientation session at the Library.

Under the Extramural Associates Program, NIH invites key college and university administrators involved in science to spend five months in Bethesda learning about Federal support of biomedical research, grants and contracts, and the various policies and functions of the different agencies. The Program is a special adaptation of the opportunities offered under the Intergovernmental Personnel Act of 1970 to promote participation of ethnic minorities and women in NIH-supported research.

Frances Howard, Special Assistant to the Associate Director for Extramural Programs, and **Lois Ann Colaianni**, Deputy Associate Director for Library Operations, arranged for comprehensive presentations by each division of the Library, including a MEDLINE demonstration.

Attending the MEDLINE demonstration (from left): Ione Auston, NLM Reference Librarian; Frances H. Howard, NLM coordinator; Dr. Franklin Flint, Randolph-Macon Woman's College, Lynchburg, VA; Dr. Mary McKelvey, Fisk University, Nashville, TN; Dr. Virginia Martin, Queens College, Charlotte, NC; Dr. Andrew B. Rudczynski, University of Maryland, Eastern Shore, Princess Anne, MD; Dr. Dorothy Feigl, St. Mary's College, Notre Dame, IN; Jean G. Oliver, Director, NIH Extramural Associate Program; and Dr. Joseph Harrison, Lincoln University, Lincoln, PA.

OCLC to Add NLM Serial Control Numbers to 069 Tags

OCLC* has modified its MARC format to include a place for NLM's serial control number in the 069 (Other System Control Number) field. Specific instructions on how the number can be added to OCLC serial records appears in OCLC's *Technical Bulletin* (August 1981, No. 108, p. 13). The 069 field now also carries a place for the NLM catalog citation number.

NLM is planning a 1982 contract action to add the serial control numbers to retrospective serial records in the OCLC database, including locked CONSER records. After this contract is completed, all health sciences OCLC users will be encouraged to enter the NLM serial control number as they are entering new bibliographic records or adding their summary holdings data under OCLC's union list function. This will facilitate future transfer of holdings data to the NLM system for use in union lists and in the future automated routing of document requests under the MEDLARS III system (see "NLM's National Biomedical Holdings Data Base," *News*, May 1981). NLM is also negotiating with RLIN** for the necessary modification to their files to accommodate the NLM serials control number.

The NLM serial control number is readily available in SERLINE (the UI data element), CATLINE® (records for titles cataloged since 1980 carry the number in the U2 element), the *Index of NLM Serial Titles*, the new serial title listing in the *NLM Technical Bulletin*, and beginning with the 1981 *Cumulated Index Medicus*, in the *List of Journals Indexed in Index Medicus*, and the *List of Serials and Monographs Indexed for Online Users*.

If you have any questions about the NLM serial control numbers or about NLM's serial holdings data project in general, please contact **Martha Fishel**, Assistant Head, Serial Records Section (tel. 301-496-1276).

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* Online Computer Library Center
**Research Libraries Information Net

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